ARC-1680 Performance Comparison

System Test Environment

- Intel SE7525GP2, Intel Xeon2.8GHz, 4G DDR 266
  BIOS: 2003/4/6 Version: SE7525GP20.86B.P.11.00.0043.032420060930
  Microsoft Server 2003 Standard Edition Service Pack 1

Raid Card Information

- ARC1680, 512MB DDR2-533, 800MHz IOP348
- ARC1680, 512MB DDR2-533, 1.2GHz IOP348

Firmware	BIOS	BOOT ROM	SAS Firmware	Driver
V1.43 2007.9.27	V1.21 2007.8.7	V1.43 2007.10.4	2.2.14.0	Scsiport6.20.00.15
V1.45 2008.3.27	V1.21b 2008.3.11	V1.45 2008.3.21	4.1.12.3	Scsiport6.20.00.15

Disk Information

--SAS

Seagate ST373454SS *1, ST373455SS*15

--SATA

Seagate ST3250620NS *6

Seagate ST3500630NS *7

Seagate ST3750640NS *3

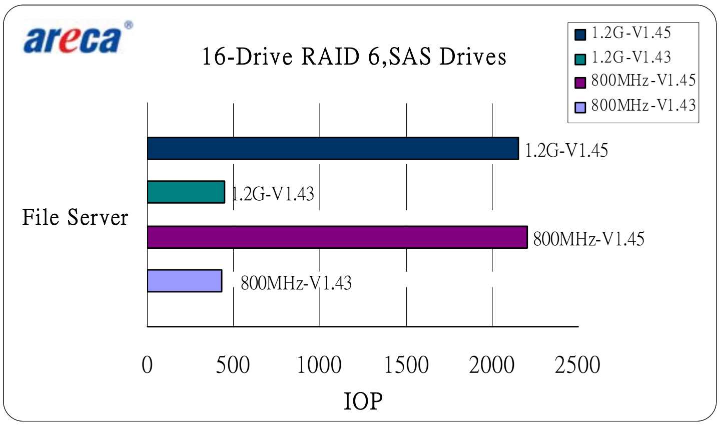
Test Program

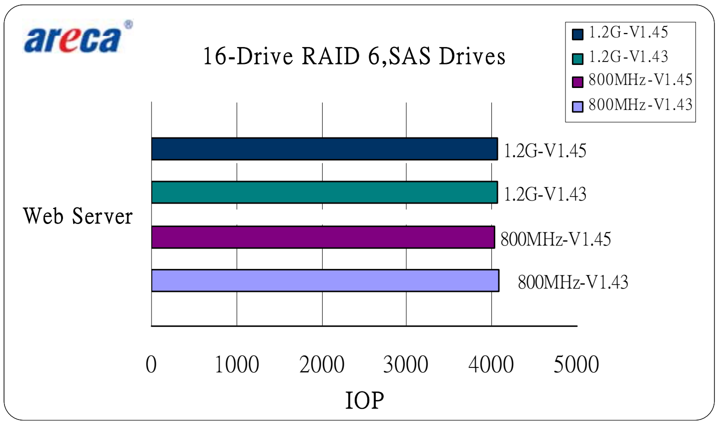
--Iometer 2006.07.27 of outstanding I/Os 256 per target

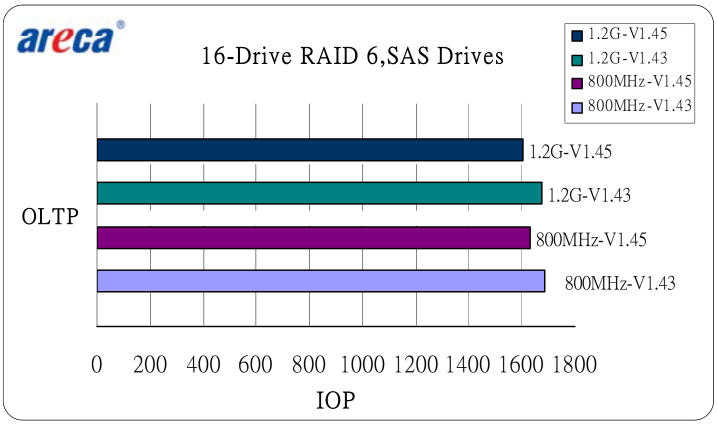
Measurement Test

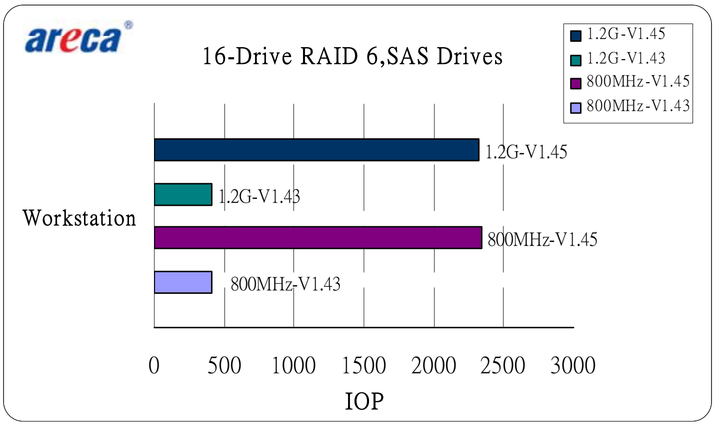
--File Server
--Web Server
--OLTP
--Workstation
--Streaming Writes
--Streaming Reads

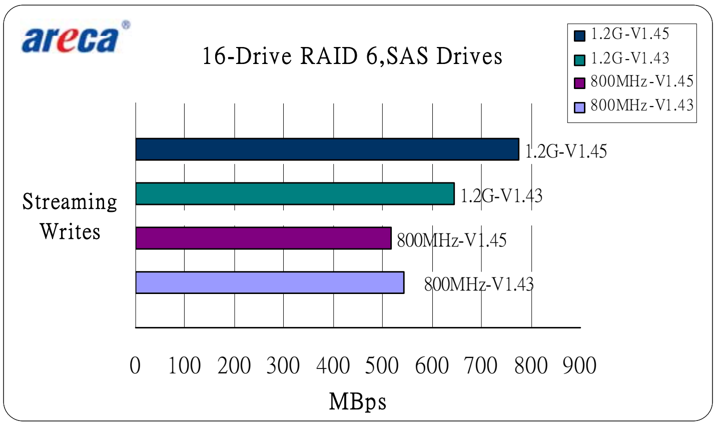
RAID 6 SAS Performance

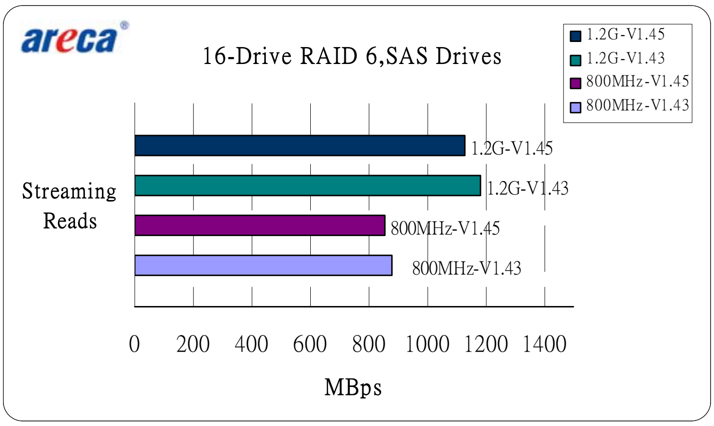




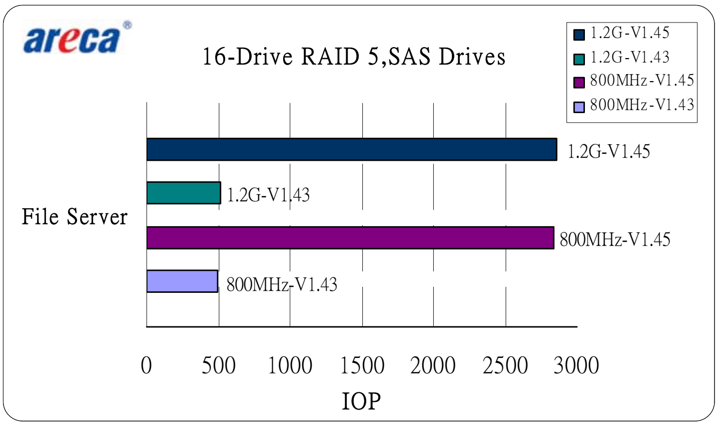


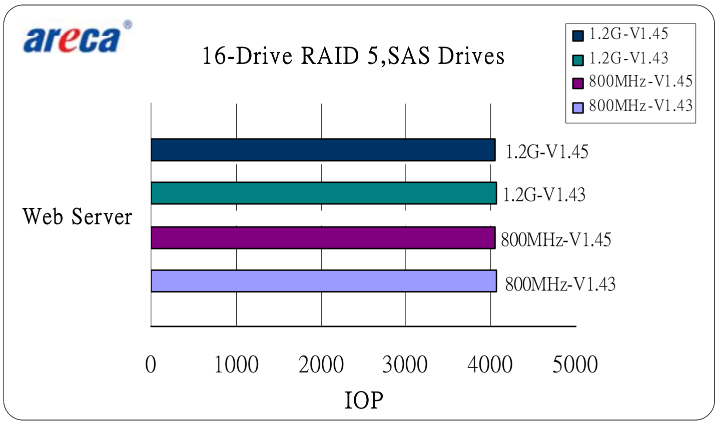


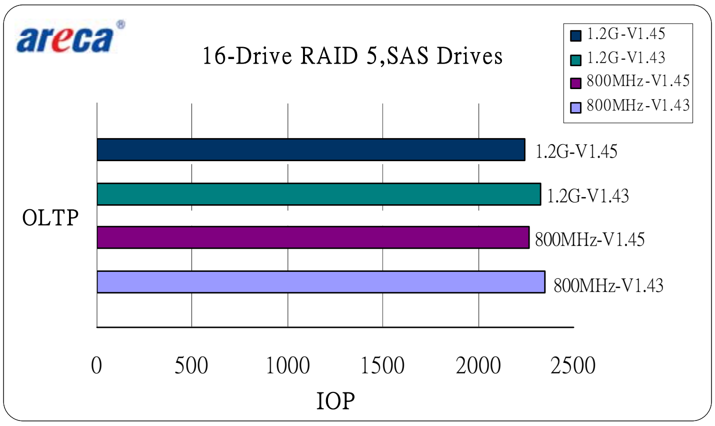


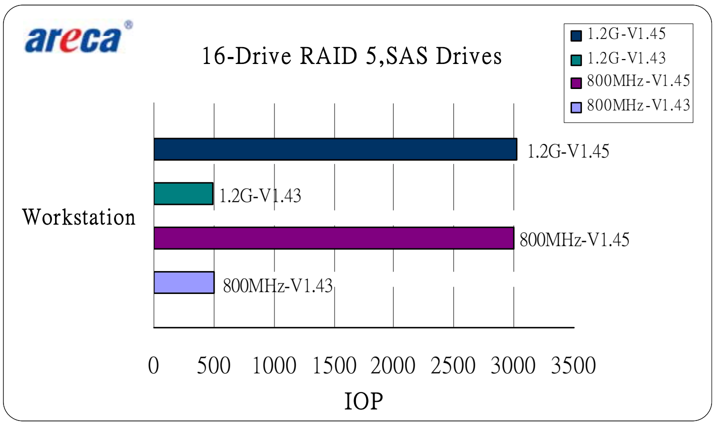


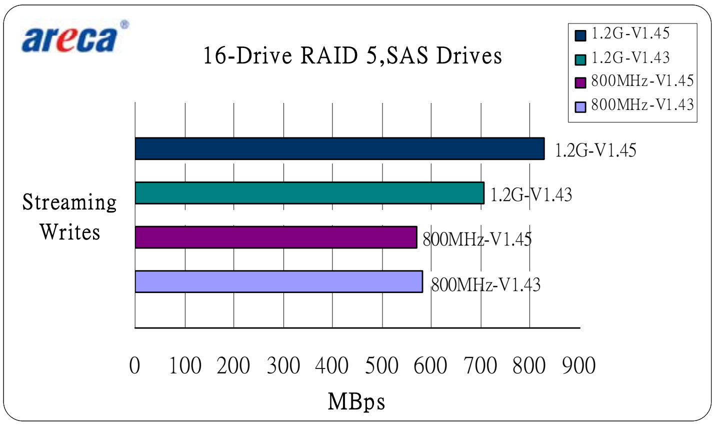
RAID 5 SAS Performance

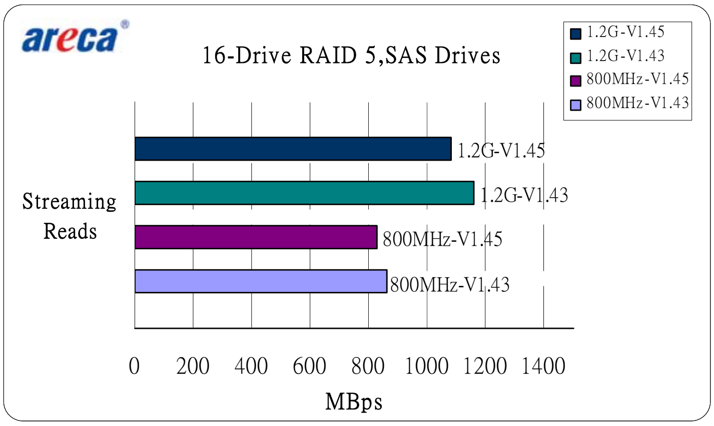




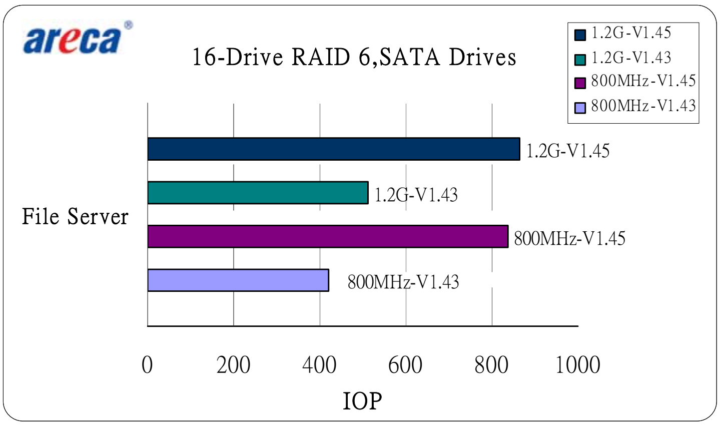


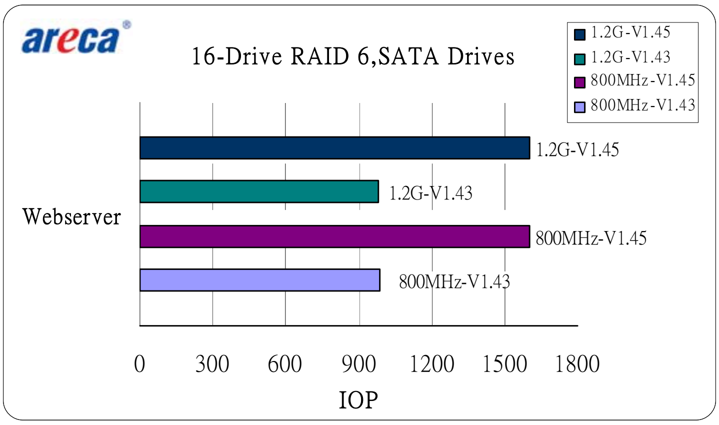


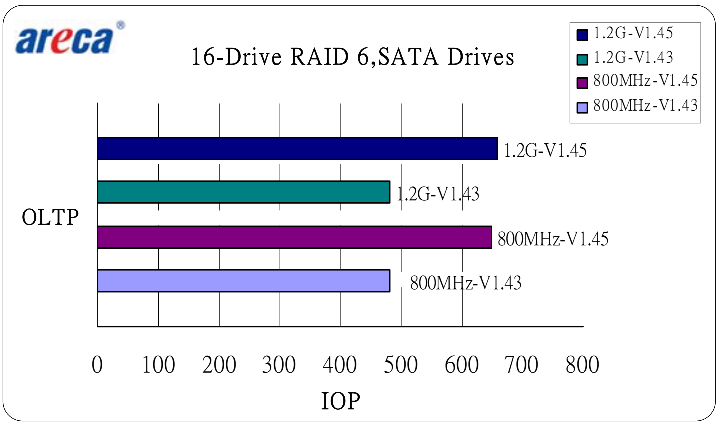


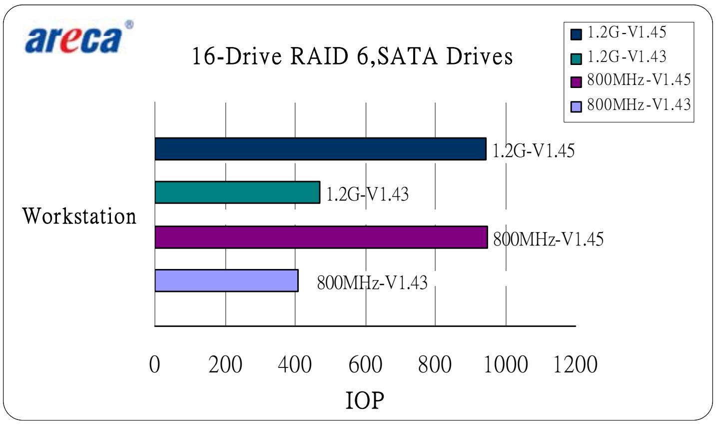


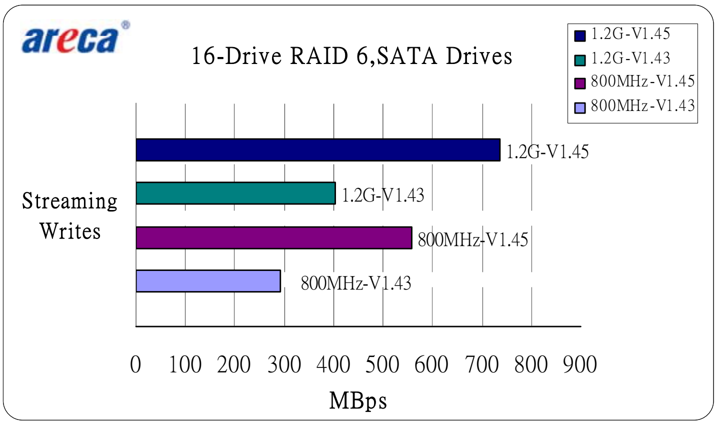
RAID 6 SATA Performance

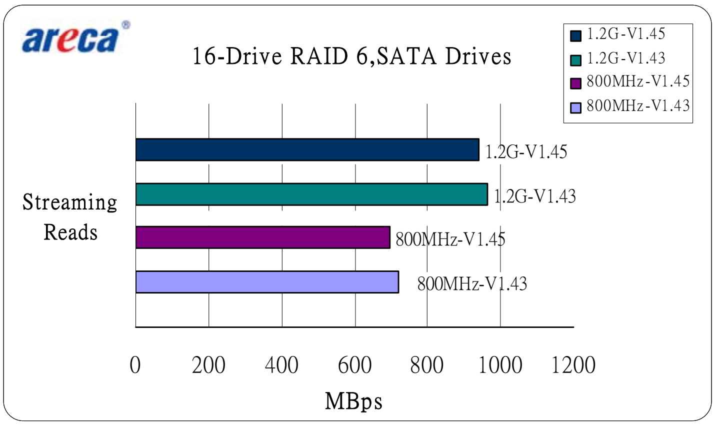












RAID 5 SATA Performance

